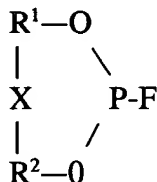


1. (Twice amended) An aromatic fluorophosphorus compound suitable for use as an antioxidant said compound being selected from fluorophosphorus compounds having the structure:



Formula II

wherein R<sup>1</sup> and R<sup>2</sup> are substituted or unsubstituted [aryl] phenyl groups wherein the substituents are selected from alkyl, aryl, aralkyl, cycloalkyl, [hydroxy], alkoxy, aryloxy, and halo; and X is selected from the group consisting of a single bond connecting R<sup>1</sup> and R<sup>2</sup> and divalent bridging groups selected from divalent aliphatic hydrocarbons groups containing 1-12 carbon atoms, -O- and -S<sub>q</sub>- wherein q is an integer from 1 to 3, and wherein aryl is selected from the group consisting of phenyl, o-tolyl, p-tolyl, naphthyl, 4-phenylphenyl and 4-sec-hexylphenyl.

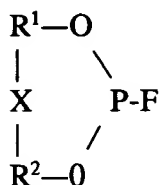
8. (Twice amended) Organic material normally susceptible to gradual oxidative degradation when in contact with oxygen, said organic material being a polymer of an olefinically unsaturated monomer and having incorporated therein by mixing or spraying an antioxidant amount of an aromatic fluorophosphorus compound, said compound being characterized by having at least one benzene group bonded through oxygen to a trivalent phosphorus atom and at least one fluorine atom bonded to said phosphorus atom.

9. (Twice amended) An organic composition of claim 8 wherein said fluorophosphorus compound is selected from the group consisting of compounds having the structure:



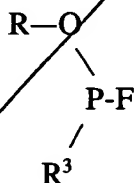
Formula I

wherein R is a substituted or unsubstituted [aryl] phenyl group wherein the substituents are selected from alkyl, aryl, aralkyl, cycloalkyl, [hydroxy], alkoxy, aryloxy, halo, alkoxycarbonyl, alkoxycarbonylalkyl and acyloxy and n is 1 or 2, and wherein aryl is selected from the group consisting of phenyl, o-tolyl, p-tolyl, naphthyl, 4-phenylphenyl and 4-sec-hexylphenyl;



Formula II

wherein  $R^1$  and  $R^2$  are substituted or unsubstituted [aryl] phenyl groups wherein the substituents are selected from alkyl, aryl, aralkyl, cycloalkyl, [hydroxy], alkoxy, aryloxy, and halo, and X is selected from the group consisting of a single bond connecting  $R^1$  and  $R^2$  and divalent bridging groups selected from divalent aliphatic hydrocarbons containing 1-12 carbon atoms, -O- and -S<sub>q</sub>- wherein q is an integer from 1 to 3, and wherein aryl is selected from the group consisting of phenyl, o-tolyl, p-tolyl, naphthyl, 4-phenylphenyl and 4-sec-hexylphenyl; and



Formula III

wherein R is as previously defined for Formula I and  $R^3$  is selected from the group consisting of alkyl, cycloalkyl, aralkyl, aryl substituted aryl, alkoxy, cycloalkoxy, aryloxy and aralkoxy[.], wherein aryl is selected from the group consisting of phenyl, o-tolyl, p-tolyl, naphthyl, 4-phenylphenyl and 4-sec-hexylphenyl.

11. (Amended) A composition of claim [9] 44 wherein said organic material is a polymer of an olefinically unsaturated monomer.

12. (Amended) A composition of claim [11] 9 wherein said compound has Formula I, and wherein R is a substituted phenyl group.

13. (Amended) A composition of claim 12 wherein n is 2 and said substituents are selected from alkyls having 1-20 carbon atoms, [aryl having 6-12 carbon atoms], phenyl, o-tolyl, p-tolyl, naphthyl, 4-phenylphenyl, 4-sec-hexylphenyl, aralkyls having 7-12 carbon atoms, cycloalkyls having 5-8 carbon atoms, [hydroxy], alkoxy having 1-12 carbon atoms, aryloxy having 6-12 carbon atoms, halo, [alkoxycarbonylalkyl having 1-20 carbon atoms in its alkoxy

moiety and 1-3 carbon atoms in its alkyl moiety, ~~alkoxycarbonyl~~ having 1-20 carbon atoms in its alkoxy moiety] and acyloxy having 1-4 carbon atoms.

B3 cont'd 14. (Amended) A composition of claim 13 wherein said substituents are selected from alkyl having 1-20 carbon atoms [and alkoxy carbonylalkyl having 1-20 carbon atoms in its alkoxy moiety and 4 1-3 carbon atoms in its alkyl moiety].

B4 D3 17. (Amended) A composition of claim [14] 12 wherein said fluorophosphite compound is bis(4-octadecyloxycarbonyl-2,6-di-tert-butylphenyl)fluorophosphite.

Sch D4 B5 19. (Amended) A composition of claim 9 wherein said fluorophosphite compound has Formula II wherein said substituents are selected from alkyl having 1-20 carbon atoms, [aryl having 6-12 carbon atoms,] phenyl, o-tolyl, p-tolyl, naphthyl, 4-phenylphenyl, 4-sec-hexylphenyl, aralkyl having 7-12 carbon atoms, cycloalkyl having 5-8 carbon atoms, [hydroxy], alkoxy having 1-12 carbon atoms, aryloxy having 6-12 carbon atoms and halo, and X is selected from the group consisting of a single bond connecting R<sup>1</sup> and R<sup>2</sup> and divalent bridging groups selected from divalent aliphatic hydrocarbon groups containing 1-12 carbon atoms, -O- and -S<sub>q</sub>- wherein q is an integer from 1-3.

Sch B6 24. (Twice amended) A composition of claim 9 wherein said fluorophosphorus compound has Formula III wherein said substituents are selected from alkyls having 1-20 carbon atoms, phenyl, o-tolyl, p-tolyl, naphthyl, 4-phenylphenyl, 4-sec-hexylphenyl, [aryls having 6-12 carbon atoms], aralkyls having 7-12 carbon atoms, cycloalkyls having 5-8 carbon atoms, [hydroxy,] alkoxy having 1-12 carbon atoms, aryloxy having 6-12 carbon atoms, halo, alkoxycarbonylalkyl having 1-20 carbon atoms in its alkoxy moiety and 1-3 carbon atoms in its alkyl moiety, alkoxycarbonyl having 1-20 carbon atoms in its alkoxy moiety and acyloxy having 1-4 carbon atoms, and R<sup>3</sup> is selected from alkyl having 1-20 carbon atoms, cycloalkyl having 5-8 carbon atoms and aralkyls having 7-12 carbon atoms which are bonded through oxygen to phosphorus and aryls having 6-12 carbon atoms, alkyl having 1-20 carbon atoms, cycloalkyls having 5-8 carbon atoms and aralkyls having 7-12 carbon atoms which are bonded directly to said phosphorus.

Please add new claim 44:

B7 Sch D6 44. A compound of claim 1 combined in an antioxidant amount with an organic material normally susceptible to gradual oxidative degradation when in contact with oxygen.